NEVADA CLIMATE SUMMARY

Office of the State Climatologist

Offices: 226 and 322

Mackay Science (702) 784-1723 (702) 784-6995 APRIL 1994 VOLUME 13, NUMBER 4

> Novada State Library and Archives

MAY 1 8 2005

John W. James
State Climatologist
Mackay Science Hall
University of Nevada-Reno
Reno, Nevada 89557

STATE PUBLICATIONS

SYNOPSIS

April was a mixed weather bag, as parts of the State (North, East, and Central) were unusually wet, while other areas were unusually dry. For example, in Central Nevada Austin had over 4 inches of precipitation, or about 3&1/2 times normal, while several locations in Southern Nevada had no precipitation, and Reno with only .03", had the 7th driest April in 125 years of record.

Above normal temperatures were the rule Statewide, with departures from normal temperatures in the 2-5 degree range. Laughlin reached 105 on the 21st, only 1 degree below the alltime State high of 106 set at Laughlin and Cottonwood Cove in 1989.

Water Year precipitation (Oct. 1st,1993-May 1st, 1994) ranges from only a little over 1/2 of normal in the West and South to over 3/4 of normal in the Northeast, and a little above normal in the Central and Eastern portions of the Silver State.

TEMPERATURE

With the exception of February the first four months of 1994 have all averaged above normal in Nevada. April was headed for a very warm place in the record book until the last week of the month turned unusually cool. Record breaking or near record breaking temperatures were recorded from the 16th to the 20th, with 80 degree readings over most of the State. At Gabbs it was 90 degrees on the 20th, for a new early season mark. At Rye Patch the 88 degrees recorded on the 17th broke the old April record of 87 set in 1956. Records began in 1935. In addition to the 105 degrees at Laughlin it was also 103 degrees at Bunkerville, Callville Bay, and Cottonwood Cove.

On the cool side, the mercury fell to 6 degrees at Boies Ranch north of Wells, with 8 degrees at Kyle Canyon and 9 degrees at Lee Canyon in the Spring Mountains near Las Vegas. It was also 9 degrees at Charleston, San Jacinto had 11, and Ruth and 9 Mile Ranch 12 degrees. The State April record is -12 degrees at Ruth in 1963.

PRECIPITATION

From two to almost four times normal precipitation fell over much of the Northeast and Central Nevada, while some locations in the South had none (e.g. Searchlight, Desert NWR, Las Vegas, and Spring Valley James), and the West suffered through one of the driest April's on record. The wettest reporting site was Jarbidge, where Wm.Penn Fisher recorded 4.42" (twice normal) and 23" of snow. At Austin Edna Cooley logged 4.02", (and 25.5" of snow) for the wettest April since 1978 when 5.78" fell. Austin also had 19.5" of snow on the 24th. very near the record 24 hour total for any month of 22" recorded in April 1978. The 2.01" precipitation total on the 24th was the greatest 24 hour total for April in the 105 year record, and the second greatest for any month (2.04" was logged in October 1946).

(Note: A new Climatological Summary for Austin is included in this report).

Other wet locations were Jarbidge 4N with 3.83", Emigrant Pass 3.37", Owyhee 3.30", Lamoille 3.05", Gund Ranch 2.94", Battle Mountain 2.48", and Kingston Canyon where Toppie Watson had 2.36". Phamy Parker had 2.01" and 17" of snow at Manhattan.

SUNSHINE, WIND & EVAPORATION

The percentage of possible sunshine was above normal in the dry West and South, but below normal in the remainder of the State.

Wind speeds averaged near normal, with no very high speeds recorded. Peak gusts in the 45-55 mph range were recorded in the Reno area near month's end.

Evaporation was below normal in the wet and cloudy areas, but near or a little above normal in the West and South. Overton had 10.24", Pahrump 9.77", Honey Lake 6.04", Fallon 5.78" and Shoshone 4.70"

John W. James State Climatologist This month we continue our salute to Nevada's volunteer weather observers with Pershing and Nye counties:

PERSHING

Sulphur - Hycroft Resources & Development Inc.

Imlay - Dolores Montes

Lovelock - Larry McMasters

Lovelock AP - Metro Monitoring Services

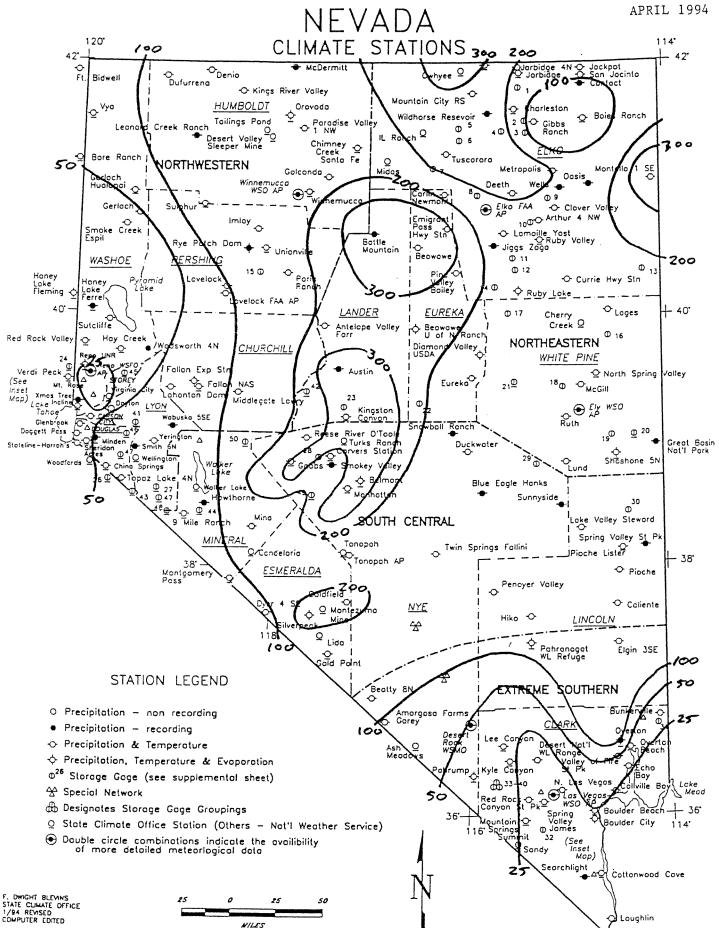
Paris Ranch - Peg Ware

Rye Patch - Harold A. Barrick Sr.

Unionville - H. L. Jones

NYE

Snowball Ranch - Richard McKay Duckwater - Vacant Reese River O'Toole - Lilly O'Toole Carver's Station - Reeve "Mac" Duhme Gabbs - Lorraine Clifton Big Smoky Valley - Nevada Division of Transportation Belmont - Thomas H. Kniefel Manhattan - Euphemia Parker Tonopah - Denny Morphew Tonopah AP - Aerographers (Gerald Turner) Twin Springs Fallini - Joe B. Fallini Jr. Beatty - Effie Spicer-Taylor Amargosa - Jean Garey Pahrump - M. C. Fedderson Desert Rock WSMO - National Weather Service Sunnyside - Nevada Dept. of Wildlife Blue Eagle Hanks - Carole Hanks Round Mountain - Round Mountain Gold Corp. Ash Meadows - Ash Meadows NWR Rochester - Couer Rochester Mine



OFFICE OF THE NEVADH STATE CLIMATOLOGIST

CLIMATOLOGICAL SUMMARY

STATION: AUSTIN, NEVADA

CLIMATOLOGICAL STATION.															_							
titu ngi!	ude 39° 30' N tude 117° 05' W				EXTREMES: 1889-93												MEAN NUMBER OF DAYS					
ngitude 117 ev. (Ground) 6543					T	*		PRECIPITATION T			OTALS (INCHES)				_	TEMPERATURES MIN.			-+			
T	TEMPERATURE (F°)						\dashv	Days	$\neg \tau$	27			SNOW, SLEET				ation	MAX.			-	
Ì	MEANS			EXTREMES			_	9		t Dai	 		BA		test		1 pit		and	and low	0° and Below	Honth
		$\neg \tau$		1		2 5		Degr	c	ates	ear	Mean	Maximum Monthly	year	Great	Year	Prec!	90° ar	32°	32° Bel	O M	<u> </u>
	11y iximum	11y nimum	Monthly	Record Highest	Year	Record	Year	Mean	Mean	Gre	Ye	¥		-	100		\vdash			29	2	Jan.
Month	Ha Day	E H	Ĕ		-	100		+		100	1982	12.	$\frac{100}{132.4}$		2118.6	3 1982 8 1978	4	0	$\frac{\begin{array}{ c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c} & 25 \\ \hline & 25 \\ \hline & 25 \end{array}$	1 0	Feb.
(a)	40	110.5	29.	105	195	-25	1922 1933	991	1.1		1978	9.	9 38.7	194	6 19.	0 1978	4	0	0		0	Apr. May Jun.
Jar Fe	0. 43.7	21.	132. 136.	$\frac{4}{3}$ $\frac{78}{78}$	191		1971	647		$0 \ 2.00$	197	$\begin{vmatrix} 3 & 11 \\ 2 & 4 \end{vmatrix}$.9 30.	2 19	33 12	0 193	8 3	1	2 0	5	0 0	Jul.
<u>원</u> 기조	r. 56.4	30.	$\frac{5 43}{6 51}$	6 91	19:	7 10	1896	4 13	1 0.	98 1.5 59 1.9	$\frac{7}{9}$ $\frac{192}{192}$	5 (0.0 0.	0 19	89 0	.0 198	9 3			0	$\begin{bmatrix} 0 & 0 \\ 2 & 0 \\ 0 & 0 \end{bmatrix}$	Sep.
J.	in. 76.	4 45. 1 53.	5 61	.4 10	5 19	$\begin{array}{c c} 31 & 31 \\ 28 & 30 \end{array}$		3 5	0.	$\frac{62}{62}$ 1.	65 19	76	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.4 1	971 20	0.0 194 0.0 19 3.0 19	71	3	0	$\frac{0}{2}$	22 (Nov. Dec.
Ā	ug. 84. ep. 75.	9 44	.6 68 .6 60	3.7	36 19		19:	35 4	11 1	99 2.	18 19	65	6.6 32 0.9 35	.0	936 1	0.4 19	83	4	22		68	4 YEAR
ī	lov. 49	.9 26	5.1 3 5.6 3	8.01	70 1	919 -2	0 19	32 10		.18 1. 2.802		1 _	66.6 59	8.6	19R6 2	2.0 F	78	40	44 1			
	YEAR 61		4.3		05	YYY -2	5 Y	122 6	49 11	2.092			_			r dati	a m	onths	or y	ears		
	-												4100	on 6	arlie	T Gul						

- Average length of record, years (a)
- Trace, an amount too small to measure Т
- Base 65°

- Also on earlier dates, months, or years
- * Less than one-half

Austin is located at an elevation of 6600 feet in west-east oriented Austin Canyon in the northern part of the Toiyabe.

The Resea River Valley is a short distance to the west and a few hundred feet helow the town. Mountain summits Austin is located at an elevation of 6600 feet in west-east oriented Austin Canyon in the northern part of the Toiyab Range. The Reese River Valley is a short distance to the west and a few hundred feet below the town. Mountain summits Range. The Reese River Valley is a short distance to the west and a few hundred feet below the town. Mountain summits Range is a short distance to the east. Austin Summit on U.S. Highway several thousand feet higher are nearby in the Toiyabes. Tust a short distance to the east. Kange. The Reese River Valley is a short distance to the west and a few hundred feet below the town. Mountain summits several thousand feet higher are nearby in the Toiyabes. Just a short distance to the east, Austin Summit on U.S. Highway 50 is about 1000 feet higher than the town. CLIMATE OF AUSTIN

t 1000 feet higher than the town. Due to it's location far inland from any maritime moisture sources Austin enjoys a semi-arid climate, with about 13" of taking in an average year. During the winter half-year, with a Pacific Ocean moisture pool. Austin precipitation is Due to it's location far inland from any maritime moisture sources Austin enjoys a semi-arid climate, with about 13" of precipitation is an average year. During the winter half-year, with a Pacific Ocean moisture pool, Austin precipitation is precipitation in an average year. During the winter half-year, with a Pacific Ocean moisture pool, Austin precipitation is moisture on the seminary of the is about 1000 feet higher than the town.

1945-46.

The 13 inch annual precipitation total is marked by a spring period about 2-3 times wetter than the drier summer.

The 13 inch annual precipitation total is marked by a spring period about 2-3 times wetter than the drier summer.

March (1.59"), April (1.60") and May (1.50") constrast to July (.59"), August (.62"), and September (.62"). However, precipitation of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. Summer thunderstorms of 1.00 or more falls on only 40 days in an average year so that sunshine is abundant every month. II in one day! Year-to-year precipitation is highly variable, with as much as 22.37" falling in 1983, and as little as 5.84" in 1926. This I be noted in monthly amounts, where April, the wettest month, has a high of 5.96" in 1978, compared to a low of only

Year-to-year precipitation is highly variable, with as much as 22.37" falling in 1983, and as little as 5.84" in 1926. This can also be noted in monthly amounts, where April, the wettest month, has a high of 5.96" in 1978, compared to a low of only .03" in 1959. 1.99" fell in one day!

In a canyon location temperatures can vary greatly over short distances, with for example, north facing slopes cooler in In a canyon location temperatures can vary greatly over short distances, with for example, north facing slopes as the daytime, expecially during the winter low-sun angle period. Also canyon bottoms are cooler than the warmer slope as the daytime, expecially during the winter low-sun angle period. Also canyon bottoms are cooler than the warmer unusual than at the daytime, expecially during the winter low-sun angle period. Also canyon bottoms are cooler than the warming the air and making extreme temperatures and large diurnal variations more unusual than at the low 20's, with nightime lows only in the low 20's. When the street is a street with a canyon wind a street and the street and the street in the low 40's, with nightime lows only in the low 20's. But the series are much warmer than valley sites (e.g., Elko, high 30's and mid teens). Rare absences of the canyon wind valley sites. Thus, at Austin winter-time daytime highs are generally in the low 40's, with night active (e.g., 25 in January 1922).

Both these figures are much warmer than valley sites (e.g., Elko, high 30's and mid teens). Rare absences of the canyon wind leens. Rare absences of the canyon wind teens and teens and a street that degrees, with the series are moderated greatly by the 6600 foot elevation, so that daytime valley sites (e.g., Elko, high 30's and mid teens). Rare absences of the canyon wind teens and teens and a street the series are moderated greatly by the 6600 foot elevations, so that day time the series are moderated greatly by the 6600 foot elevations, so that day time the series are moderated greatly by the 6600 foot elevations, so that day time the series are moderated greatly by the 6600 foot elevations, so that day the series are moderated greatly by the 6600 foot elevations, so that day the series are moderated greatly by the 6600 foot elevations and series are moderated greatly by the 6600 foot elevatio 1959. In a canyon location temperatures can vary greatly over short distances, with for example, north facing slopes cooler in Vilme, expecially during the winter low-sun angle period. Also canvon bottoms are cooler than the warmer slopes as